



Product Evaluation

WIN2039 | 1115

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: WIN-2039

Effective Date: November 1, 2015

Re-evaluation Date: November 2017

Product Name: Model 143.191 CA/Rep/NC Vinyl Casement Windows, Individual, Impact Resistant

Manufacturer: Earthwise Group, LLC, manufactured by:
Showcase Custom Vinyl Windows and Doors
1702 Cullen Blvd.
Houston, TX 77023
Telephone: (713) 926-8500

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Model 143.191 CA/Rep/NC Vinyl Casement Windows, Fin-Mounted (X)	LC-PG50 37 X 76 Missile Level D	+50 / -50 psf

Product Dimensions:

System	Overall Size	Daylight Opening Size
1	37" x 76"	32-1/16" x 71-1/16"

Product Identification (Certification Label on Window):

System		
1	Certification Agency	Keystone
	Manufacturer's or Code Name	CAR 839-223, CAR 839-1097
	Product Name	143.191 CA Rep/NC Impact Casement
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 AAMA 506-11, ASTM E 1886-05/ASTM E 1996-05 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the assemblies' design pressure rating.

Installation:

System		
1 (FIN)	Type of Installation	Wood Frame
	Wall Framing	Spruce-Pine-Fir Dimension Lumber
	Fasteners	Minimum #8 x 1-5/8" Philips Head Sheet Metal Screws
	Fastener Location/Spacing	<ul style="list-style-type: none"> • <u>Head and sill</u>: Drive four fasteners through the nail fin along the head and drive four fasteners through the nail fin along the sill. Drive fasteners at 6" from each corner centerline and evenly spaced at 8" (maximum). • <u>Jambs</u>: Drive ten fasteners through the nail fin along each jamb. Drive fasteners at 6" from each corner centerline and evenly spaced at 7" (maximum).
	Fastener Penetration	Minimum 1-1/2" into the wall framing

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.